

II. LISTING OF CLAIMS

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1. (Previously Amended) A computer assisted method for analyzing information from a data source, comprising:
 - selecting one or more data sources;
 - selecting a plurality of operators for analyzing information;
 - linking said plurality of operators together in a network;
 - creating a visual representation of said network;
 - detecting whether said data source is a data stream or a database;
 - evaluating said operators against a database when said data source includes one or more databases and evaluating a data unit against said operator when said data source includes one or more data streams; and
 - creating a plurality of output indicators corresponding to each of said operators on said visual representation of said network, wherein said output indicators visually represent a quantified output of said corresponding operators.
 2. (Canceled)
 3. (Previously Amended) A method as in claim 1, further comprising:
 - compiling said network by combining one or more operators into a single composite operator when said data source includes one or more data streams; and
 - compiling said network by assigning a document identifier to one or more operators, combining said operators having a document identifier into an operator database and inverting that operator database when said data source includes one or more databases.
 4. (Original) A method as in claim 3, wherein:

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each operator receives a listing of data context identifiers having one or more corresponding document features.

5. (Original) A method as in claim 4, wherein:

said document features are chosen from a group consisting of terms, extracted entities, term relations, term counts, term distribution, discourse markers, feature distribution, reference data deriving from said data source.

6. (Original) A method as in claim 1, wherein said data source contains at least one of the group consisting of a text file, audio file, video file, graphic file, and picture file.

7. (Original) A method as in claim 6, wherein:

data from said data source is transmitted over a network to a computer which evaluates said data.

8. (Original) A method as in claim 7, wherein said network comprises the Internet.

9. (Previously Amended) A computer assisted method for analyzing information from a data source, comprising:

selecting one or more data sources;

selecting a plurality of operators for analyzing information;

linking said operators together in a network;

creating a visual representation of said network;

linking said network to said data source in said visual representation;

compiling said network and evaluating said data source using said network when said network is visually linked to said data source; and

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creating a plurality of output indicators corresponding to each of said operators on said visual representation of said network, wherein said output indicators visually represent a quantified output of said corresponding operators.

10. (Original) A method as in claim 9, further comprising:

compiling said network by combining one or more operators into a single composite operator when said data source includes one or more data streams; and

compiling said network by assigning a document identifier to one or more operators, combining said operators having a document identifier into an operator database and inverting that operator database when said data source includes one or more databases.

11. (Original) A method as in claim 10, wherein:

each operator receives a listing of data context identifiers having one or more corresponding document features.

12. (Original) A method as in claim 11, wherein:

said document features are chosen from a group consisting of terms, extracted entities, term relations, term counts, term distribution, discourse markers, feature distribution, reference data deriving from said data source.

13. (Original) A method as in claim 12, wherein said data source contains at least one of the group consisting of a text file, audio file, video file, graphic file, and picture file.

14. (Original) A method as in claim 13, wherein:

data from said data source is transmitted over a network to a computer which evaluates said data.

15. (Original) A method as in claim 14, wherein said network comprises the Internet.

16. (Previously Amended) A method as in claim 9, wherein said output indicators further represent a quantified input of said corresponding operators.

17. (Previously Amended) A method as in claim 16, wherein said output indicators display the number of input documents and the number of output documents for said operators.

18. (Original) A method as in claim 17 wherein said display comprises a pie chart.

19. (Original) A method as in claim 17 wherein said display comprises a bar chart.

20. (Original) A method as in claim 17 wherein said display comprises a term map.

21. (Previously Amended) A method as in claim 9, wherein each of said output indicators represent a response function initiated by said corresponding operator.

22. (Previously Amended) A method for automatically responding to information received from a data stream, comprising:

selecting a plurality of operators for detecting whether information satisfies a desired constraint;

linking said operators together in a network;

creating a visual representation of said network;

linking said data stream to said network in said visual representation;

evaluating said received information against said network;

automatically generating a programmed response when a constraint from at least one network operator is satisfied; and

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creating an output indicator, said indicator representing a response function initiated by one of said operators.

23. (Canceled)

24. (Canceled)

25. (Original) A method, as in claim 22, wherein said programmed response comprises generating a text message.

26. (Original) A method, as in claim 22, further comprising:
creating an output indicator, said indicator representing a response function initiated by one of said operators.

27. (Original) A method, as in claim 26, wherein said output indicator represents an email message.

28. (Original) A method, as in claim 26, wherein said output indicator represents a telephone voice message.

29. (Original) A method, as in claim 26, wherein said output indicator represents a text message.

30. (Original) A method, as in claim 26, further comprising:
transmitting said output indicator over a computer network.

31. (Original) A method, as in claim 27, further comprising:
transmitting said output indicator over a computer network.

32. (Original) A method, as in claim 28, further comprising:
transmitting said output indicator over a computer network.

33. (Original) A method, as in claim 29, further comprising:
transmitting said output indicator over a computer network.
